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Reference JP920030117EP1	Application No./Patent No. 04746998.6 - 1235 / 1653789 PCT/JP2004009529
Applicant/Proprietor International Business Machines Corporation	

### Communication

The European Patent Office herewith transmits as an enclosure the supplementary European search report under Article 153(7) EPC for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

### Refund of the search fee

If applicable under Article 9 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2001/032700 A1 (NISHII TOSHIHIRO [JP] ET AL) 25 October 2001 (2001-10-25) * paragraphs [0026] - [0028], [0052] - [0055]; figure 10 *	1-7	INV. H05K3/46
A	-----	8-11	
A	US 5 263 243 A (TANEDA JUNICHI [JP] ET AL) 23 November 1993 (1993-11-23) * column 6, lines 5-42; figures 14-17 *	1,2,4-9	
A	JP 11 087869 A (HITACHI LTD) 30 March 1999 (1999-03-30) * abstract; figure 10 *	1,2,4-9	
A	US 5 052 103 A (SAITOU HIDEO [JP]) 1 October 1991 (1991-10-01) * claims; figure 6 *	1,2,4-9	
			TECHNICAL FIELDS SEARCHED (IPC)
			H05K
1			
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			

Place of search

The Hague

Date of completion of the search

14 August 2008

Examiner

Mes, Leendert

CATEGORY OF CITED DOCUMENTS

- X : particularly relevant if taken alone
- Y : particularly relevant if combined with another document of the same category
- A : technological background
- O : non-written disclosure
- P : intermediate document

T : theory or principle underlying the invention

E : earlier patent document, but published on, or after the filing date

D : document cited in the application

L : document cited for other reasons

& : member of the same patent family, corresponding document

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 74 6998

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-08-2008

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